



11-08-02

2872  
#5  
PATENT 010130  
02-243  
RECEIVED  
DEC 23 2002  
Technology Center 2600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Kanade et al.

Group Art Unit: 2872

Examiner:

Serial No.: 10/074,315

Filed: February 12, 2002

SYSTEM AND METHOD FOR  
STABILIZING ROTATIONAL  
IMAGES

RECEIVED  
NOV 13 2002  
TC 2800 MAIL ROOM

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15222

November 7, 2002

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Applicants, in accordance with their duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advise the United States Patent and Trademark Office of the references listed on the accompanying form PTO/SB/08A Information Disclosure Statement. A copy of each of the cited references is herewith enclosed.

Applicants note that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this Information

"Express Mail" mailing label number EU150831701US

Date of Deposit November 7, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Patricia G. Mach

Disclosure Statement "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicants submit that no fee is necessary for consideration of this Information Disclosure Statement because an Office Action on the merits has not yet been mailed. Nevertheless, the Commissioner is hereby authorized to charge any additionally required fees necessary for consideration of this Information Disclosure Statement to Account No. 11-1110.

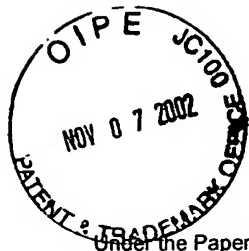
Respectfully submitted,



Mark G. Knedeisen  
Reg. No. 42,747

KIRKPATRICK & LOCKHART LLP  
Henry W. Oliver Building  
535 Smithfield Street  
Pittsburgh, PA 15222

Ph. (412) 355-6342  
Fax (412) 355-6501



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  <b>Sheet</b> 1 <b>of</b> 2				<b>Complete if Known</b>	
				<b>Application Number</b>	10/074,315
				<b>Filing Date</b>	February 12, 2002
				<b>First Named Inventor</b>	Kanade
				<b>Art Unit</b>	2872
				<b>Examiner Name</b>	
				<b>Attorney Docket Number</b>	010130

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		5,917,937	Jun 29, 1999	Szeliski et al.	
		6,137,491	Oct 24, 2000	Szeliski	
		6,084,979	Jul 4, 2000	Kanade et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 529 317 A1	Mar 03, 1993	Sensomatic Electronics Corporation		

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/074,315		
		Filing Date	February 12, 2002		
		First Named Inventor	Kanade		
		Art Unit	2872		
Examiner Name					
Sheet	2	of	2	Attorney Docket Number	010130

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Kanade, T. et al.: "Virtualized Reality: Constructing Virtual Worlds From Real Scenes" IEEE Multimedia, Jan – Mar 1997, IEEE, USA, Vol. 4, No. 1, pages 34 – 47.	
		Narayanan, P.J et al.: "Constructing Virtual Worlds Using Dense Stereo" 6 <sup>th</sup> International Conference On Computer Vision. ICCV '98. Bombay, Jan. 4-7, 1998, pages 3-10.	
		Tsai R Y: "A Versatile Camera Calibration Technique For High-Accuracy 3D Machine Vision Metrology Using Off-The-Shelf TV Cameras and Lenses," IEEE Journal of Robotics and Automation, IEEE Inc. New York, US, vol. RA-3, no. 4, August 1987 (1987-08), pages 323-344.	
		Vedula S et al.: "Modeling, combining and rendering dynamic real-world events from image sequences," VSMM98. 4 <sup>th</sup> International Conference On Virtual Systems and Multimedia, 1998 pp. 326-332.	

RECEIVED  
NOV 13 2002  
IC 2800 MAIL ROOM

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.